

# Converting Colors

$Yxy(85.2359, 0.3020, 0.3988)$

Have a look what the booklet for  
Yxy(85.2359, 0.3020, 0.3988)  
contains.

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# Color

**Yxy(85.2388, 0.3018, 0.3985)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FFC2
RGB	181, 255, 194
RGB Percent	71%, 100%, 76%
CMY	0.2902, 0.0000, 0.2391
CMYK	0.29, 0.00, 0.24, 0.00
HSL	131°, 100%, 85%
HSV	131°, 29%, 100%
XYZ	64.5548, 85.2388, 64.1056
YIQ	225.9200, -24.5230, -34.6590

# Conversions

## Conversions Part 2

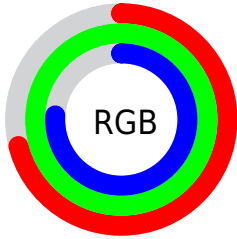
Format	Color
<a href="#">RYB</a>	<a href="#">181, 244, 255</a>
Decimal	<a href="#">11927490</a>
CIELab	<a href="#">93.99, -34.57, 22.00</a>
CIElCh	<a href="#">94, 40.979, 147.522</a>
Yxy	<a href="#">85.2388, 0.3018, 0.3985</a>
Android (android.graphics.Color)	<a href="#">4290117570 (0xFFB5FFC2)</a>
YUV	<a href="#">225.9200, -15.7366, -39.3948</a>
Hunter-Lab	<a href="#">92.3249, -36.7590, 23.4595</a>

# Details

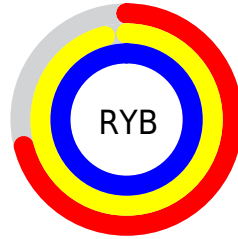
The Yxy color **85.2388, 0.3018, 0.3985** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.7137, 0.3260, 0.2683**, and the grayscale version is **76.1219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6622, 0.3046, 0.3329**, and **46.7172, 0.2986, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **81.5555, 0.2984, 0.4275**, and if you desaturate by 10%, it is **89.6208, 0.3055, 0.3719**.

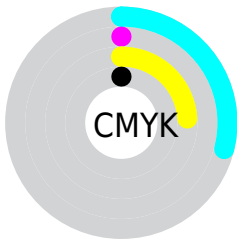
# Distribution



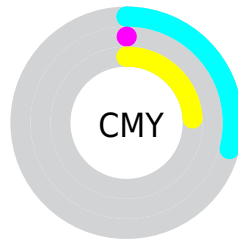
- Red (71%)
- Green (100%)
- Blue (76%)



- Red (71%)
- Yellow (96%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.2388, 0.3018, 0.3985 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 85.2388, 0.3018, 0.3985 by changing the saturation by 10% instead.





 85.2388, 0.3018,  
0.3985

 85.2388, 0.3018,  
0.3985

512.4179, 0.3075,  
0.3658

 64.0387, 0.3004,  
0.4061


 140.7068, 0.3039,  
0.3870

 46.6820, 0.2985,  
0.4155


175.7434, 0.3047,  
0.3826

 32.7844, 0.2960,  
0.4276


216.1611, 0.3053,  
0.3788

 21.9613, 0.2926,  
0.4435

262.3441, 0.3059,  
0.3755

 13.8285, 0.2875,  
0.4653

314.6769, 0.3064,  
0.3726

 8.0015, 0.2795,  
0.4970

373.5439, 0.3068,

 4.0959, 0.2655,

0.3701

0.5467

439.3294, 0.3071,  
0.3678

■ 1.7273, 0.2508,  
0.6902

■ 0.4413, 0.0000,  
1.0000

■ 85.2388, 0.3018,  
0.3985

■ 85.2388, 0.3018,  
0.3985

■ 81.5555, 0.2984,  
0.4275

■ 89.6208, 0.3055,  
0.3719

■ 78.5328, 0.2955,  
0.4583

■ 94.7335, 0.3093,  
0.3481

■ 76.1315, 0.2934,  
0.4895

100.0000, 0.3127,  
0.3290

■ 74.3077, 0.2923,  
0.5196

■ 73.0114, 0.2924,  
0.5467

■ 72.1839, 0.2938,  
0.5688

■ 71.7411, 0.2960,  
0.5849

■ 71.7088, 0.2961,  
0.5861

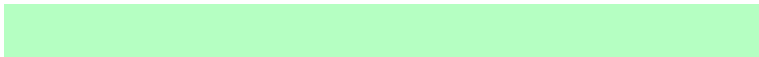
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2388, 0.3481, 0.4139



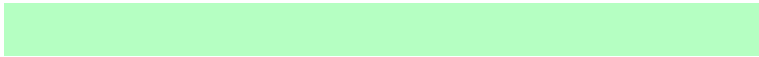
85.2388, 0.3018, 0.3985



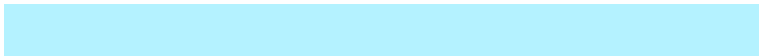
85.2388, 0.2604, 0.3593

# Triad

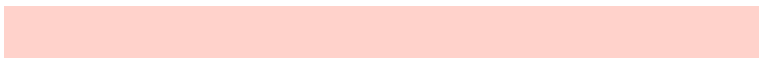
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.2388, 0.3018, 0.3985



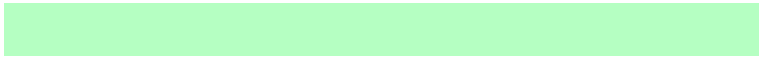
85.2388, 0.2412, 0.2566



85.2388, 0.3980, 0.3355

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85.2388, 0.3018, 0.3985



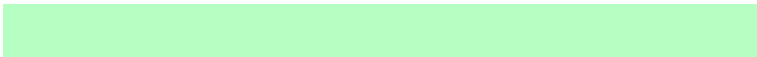
60.7137, 0.3260, 0.2683

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2388, 0.3650, 0.2996



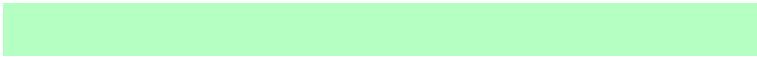
85.2388, 0.3018, 0.3985



85.2388, 0.2733, 0.2557

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2388, 0.3018, 0.3985



85.2388, 0.2274, 0.2760



85.2388, 0.3184, 0.2712

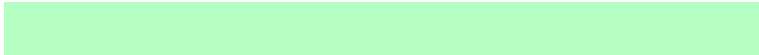


85.2388, 0.4057, 0.3725



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2388, 0.3018, 0.3985



85.2388, 0.2408, 0.3279



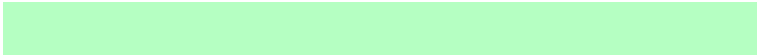
85.2388, 0.3184, 0.2712



85.2388, 0.3894, 0.3231

# Sweetspot

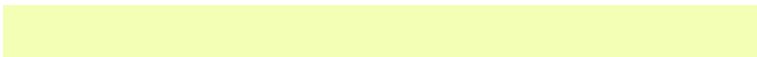
The Sweet Spot groups the original color and five complimentary colors.



85.2394, 0.3018, 0.3985



94.7457, 0.3093, 0.3480



93.8512, 0.3484, 0.4039



20.1102, 0.3088, 0.3513



0.0000, 0.0000, 0.0000

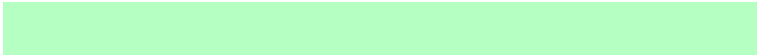


21.4041, 0.3127, 0.3290

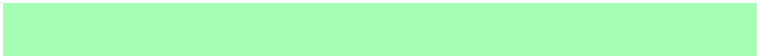


# Same Dimension

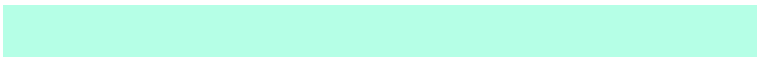
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2394, 0.3018, 0.3985



82.9556, 0.2997, 0.4156



87.0748, 0.2828, 0.3562



20.2204, 0.3091, 0.3492



37.4844, 0.2956, 0.5841



3.6634, 0.2905, 0.5657



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



60.7137, 0.3260, 0.2683



54.6901, 0.3294, 0.2557



58.7450, 0.3559, 0.3036



18.2422, 0.3165, 0.3096



13.5623, 0.3713, 0.1819

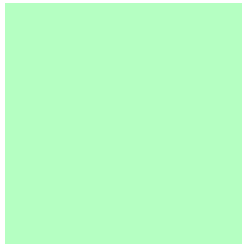


1.3343, 0.3645, 0.1782



# Previews

## White Background



This preview shows how the Yxy color 85.2388, 0.3018, 0.3985 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

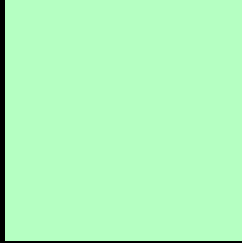
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.2388, 0.3018, 0.3985 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

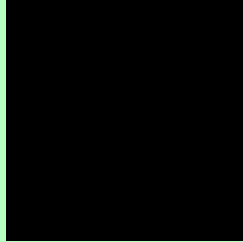
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.2388, 0.3018, 0.3985**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.2388, 0.3018, 0.3985.

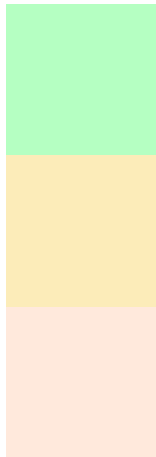


This preview shows how white text looks on a background with the Yxy color 85.2388, 0.3018, 0.3985.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.2388, 0.3018, 0.3985

### Protanopia

84.1891, 0.3569, 0.3808

### Deuteranopia

84.7051, 0.3363, 0.3420



## Tritanopia

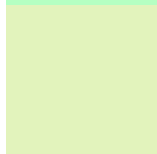
84.7213, 0.2865, 0.3154

# Trichromacy



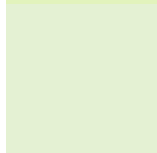
## Original Color

85.2388, 0.3018, 0.3985



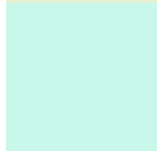
## Protanomaly

83.9008, 0.3351, 0.3878



## Deuteranomaly

84.1077, 0.3225, 0.3606



## Tritanomaly

84.8222, 0.2923, 0.3440

# Monochromacy



## Original Color

85.2388, 0.3018, 0.3985



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

79.1251, 0.3089, 0.3542

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.2388, 0.3018, 0.3985 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(181, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 194)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(181, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 85.2388, 0.3018, 0.3985 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 255, 194) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(181, 255, 194) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(181, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.2388, 0.3018, 0.3985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 194) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(181,  
255, 194) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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